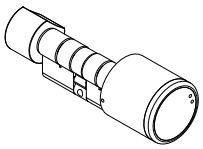
User Manual ZEUS®keyless Is2122

Stand: 21.12.2010

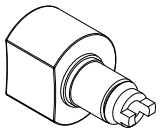
1. Short description

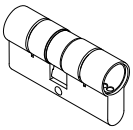


Is 2122 ZEUS®keyless private knob module as double knob cylinder (one side with electronic knob, other side with mechanical knob), cylinder case and knob in nickel plated brass, includes mounting screw and batteries

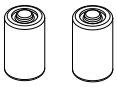
2. Scope of delivery

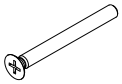
⚠ ***In the Mifare version, „wake up" the knob by turning it*** ⚠


Mechanical knob


Cylinder case

Knob module


2 batteries


Mounting screw

3. Explanation of optical / acoustic signals

Function	Signal acoustic	Signal optical	
Silent mode			
Start programming mode	--- O		Green
Transponder programmed on knob	O O	●	Green
Transponder with Toggle Feature programmed on knob	O O 3 sec. O O O	◎	Green
Transponder deleted	--- ---	●	Red
Warning signal: All tranponders will be deleted	O O O O O (15 Sec.)	◎	Green
All memory cells occupied	--- --- --- O O O	●	Red
End of programming mode	O ---	●	Red
Reading mode (after wake-up)		◎	Red
Transponder not authorised	---	●	Red
Transponder authorised	O	●	Green
All-day-activation (Toggle)	O	●	Green
After battery change	---	●●	Green/Red
Coupling error	--- --- --- --- --- O O		
Battery management Phase 1	O O O O O	◎ 5x	Red
Battery management Phase 2		◎ 5 Sec.	Green
	O O O O O	◎ 5x	Red
Battery management Phase 3			

Explanation pictograms

Optical signal (LED)
◎ = LED blinks red or green
● = LED gleams red or green

Acoustic signal
O = short high sound
--- = long deep sound

4. Technical Data

Dimensions

	Dimensions of the cylinder for european profile locks as per DIN 18254
knob module	
	40x41 mm
mechanical knob	Type A 29,5 x 20 mm
	Type B 34 x 20 mm

Power supply

Batteries	2 pcs. type CR-2 3V lithium
Battery durability	ca. 30.000 operations (at 20° C) ca. 4 years when stored
Low-power-opening	anytime via ext. battery power supply

Environmental conditions

Operating temperature	-25°C up to 65°C
storage temperature	-40°C up to 85°C
mounting location	In- and outside When used outside, please check the surrounding conditions.

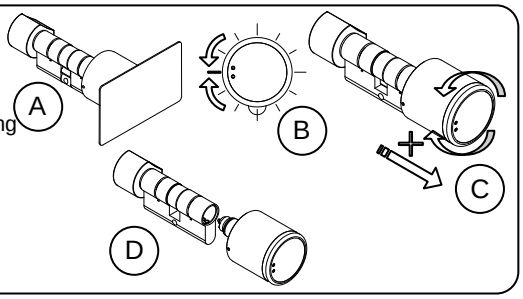
CE

5. Mounting / Dismounting

5.1 Dismounting

5.1.1 Dismounting with Dismounting card

1.) Hold the dismounting card in front of the electronic knob module (A)
(it may be necessary to wake it up manually by turning the knob module).
2.) Knob module is in dismounting position now
3.) Turn the knob module until the emergency current contacts are in 9 o'clock position. (B)
4.) Dismount the knob module by coevally turning and pulling it (C+D)



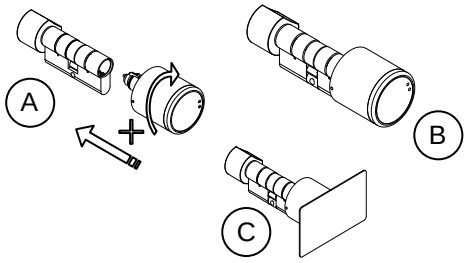
5.2 Mounting

5.2.1 Mounting the cylinder case

1.) Remove the mounting screw and the existing cylinder case.
2.) Insert the Is cylinder case and fix it with the mounting screw.
3.) **!Important!** Verify that all parts are smooth-running before mounting the cylinder case.

5.2.2 Mounting the knob module with dismounting card

1.) Do step 1 and to as shown in 5.1.2 (not necessary if the knob module is already in dismounting position).
2.) Mount the knob module by coevally inserting and turning it in the cylinder case.(A+B)
3.) To quit the dismounting mode, hold the dismounting card or an authorized transponder in front of the knob module (C)



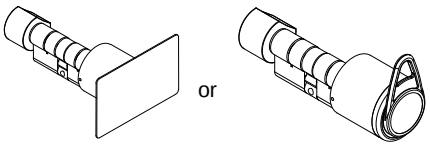
6. Handling

Closing with an authorized transponder (e.g. transponder-card / -tag / -key)

6.1 normal locking/unlocking operation

- Hold an authorized transponder in front of the knob module
- An optic / acoustic signal shows that the knob module is ready for opening / closing.

Turn the knob module to open / close (approximately 5 seconds after reading the transponder, the knob module returns in standby-mode)

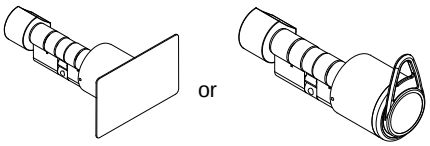


1x ● green + 1x 🔊

6.2 All-Day-Activation (Toggle)

6.2.1 Enable / disable all-day-activation (Toggle)

- Put a transponder in front of the knob module until:
- 2 optic / acoustic signals at intervals of 3 seconds show that the cylinder is toggled.
- **!Attention!** The cylinder is permanently enabled now so the door can be opened / closed without any transponder
- To undo the toggle-feature, repeat 6.2.1.



1x ● green + 1x 🔊 ... 3 sec. ... 1x ● green + 1x 🔊

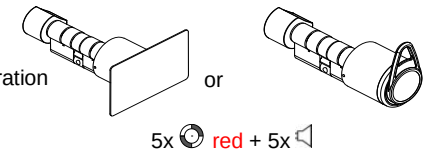
7. Batteries

7.1 Battery-management (indicator for „battery empty“)

The Clex knob module provides a battery management showing the batteries' capacitance loss in 3 steps to indicate that the batteries need to be replaced

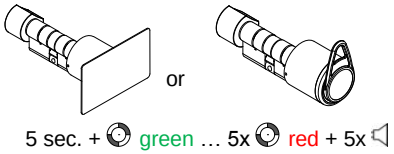
7.1.1 3-step-battery-management

Phase 1
An optical / acoustic signal pops up during locking/unlocking operation



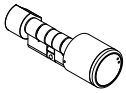
Phase 2
An optical / acoustic signal pops up during locking/unlocking operation.

It takes 5 seconds until the knob module is ready for opening / closing



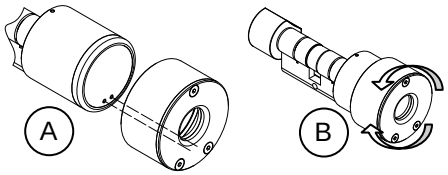
Phase 3
The knob module does not read any authorised transponder.

To change the batteries, the service key and the battery-change- card are needed



7.2 Low-Power-Adaptor (Is6774)

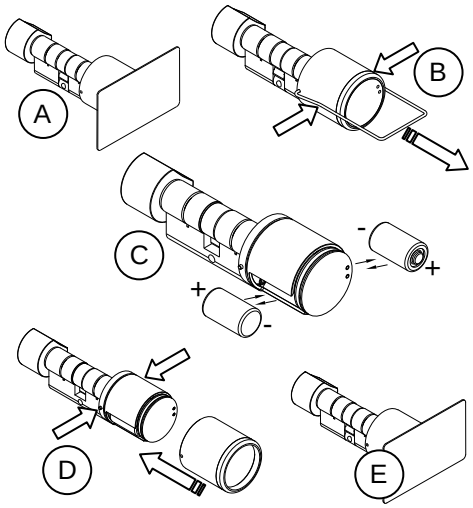
The low-power adaptor, combined with a 9V-battery, can be used to supply the knob module with power in case of empty batteries. By clipping on the adaptor on the knob module, please make sure that the two pins of the adaptor hit the two contacts on the front of the knob module. (A). After that, the knob module is supplied by the adaptor (B).



7.3 Changing batteries

7.3.1 Changing batteries with battery changing card

1.) Put the battery-changing-card in front of the knob module (A)
2.) The knob module gets in battery changing position
3.) Use the battery-changing-tool to remove the cover (B)
4.) Change the batteries (no signal if polarity is wrong (C)
5.) Repeat steps 1, 2
6.) Put on the cover again (D)
7.) Put the battery-changing-card or an authorised transponder in front of the knob module to quit the battery-changing-position (E)



8. Servicekey (Is2350)

For service operations and programming on ZEUS®keyless private knob modules, the service key is required to prove the authorisation.

8.1 Servicekey damaged / lost

In case that the Servicekey is damaged or gets lost, it can be replaced. By submission of the System card, a replacement key (Is2352) can be ordered.
So, please keep your System card safe!!!

8.2 Servicekey replacement (A Servicekey can be replaced by another one)

1.) Put the actual service key in front of the knob module, until the programming mode is activated.
2.) Put the new service key in front of the knob module, until an optical / acoustic signal shows, that the key is memorized.

9. Programming

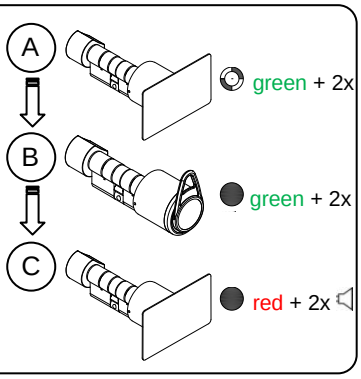
ZEUS®keyless private is a MasterCard based system. The memory of each door can store up to 100 authorizations

9.1 Transponder authorization

1.) Hold the service key in front oft he knob module (A)
- An optical/acoustic signal indicates that the programming mode is activated (possibly you have to wake up the knob module by turning the knob)

2.) Hold the transponder in front of the knob module. (B)
- An optical/acoustic signal indicates that the transponder is now authorised and stored.
To activate the Toggle-function you have to hold the transponder another 3 sec. in front of the knob module.

The programming mode will finish 15 sec. after programming the last transponder. Otherwise you can finish it immediately by holding the service key in front of the knob module again. (C)



9.2 Removal of transponders

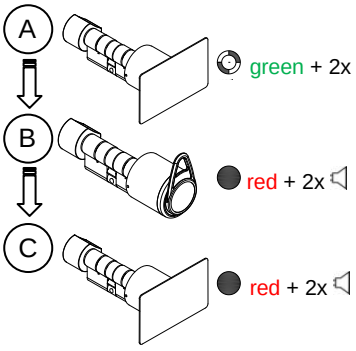
!Attention! In case of loss of one transponder, all transponders have to be removed!

9.2.1 Removal of authorised transponders

1.) Hold the service key in front oft he knob module (A)
- An optical/acoustic signal indicates that the programming mode is activated (possibly you have to wake up the knob module by turning the knob)

2.) Hold the authorised transponder in front of the knob module. The transponder will be removed. (B)

3.) The programming mode will finish 15 sec. after programming the last transponder. Otherwise you can finish it immediately by holding the service key in front of the knob module again. (C



9.2.2 Removal of all transponders

1.) Hold the service key for the duration of the programming mode (15 sec.) in front of the knob module. Repeat this procedure within 60 sec. This will remove at the end of the programming mode all transponders (incl. battery change- and dismounting-card) except for the service key. (A+B)

2.) After this, all transponders can be authorised again, as mentioned in point 9.1 The first transponder will be automatically saved as the battery change transponder, the second one as the dismounting-transponder.